

COURSE OUTLINE: **WOODWORK TOOLS AND PROCESSES**
COURSE CODE: **DTE 122**
CREDIT HOURS: **2**
LEVEL: **100**
SEMESTER: **TWO**
COURSE LECTURER: **STEPHEN JOBSON MITCHUAL**

COURSE OBJECTIVE

The use of hand tools to create wood product play vital role in woodworks. The understanding of the interaction between woodwork tools and the solid wood is also important. This course will introduce student to the safe and correct use as well as the application and maintenance of traditional and modern woodworking hand tools. The course will also cover woodwork joints. Students will complete a variety of hands on shop project using these tools and joints.

AREAS OF COVERAGE

A woodwork hand tools

Holding and supporting tools

Bench clamps, bench vices, bench stop, bench hooks miter boards etc

Geometric tools

Measuring tools, marking out tools, and setting out tools.

Cutting and Boring tools Saws, planes, chisels planes

Percussion and impelling tools

- Woodworking Joints
- Widening Joints and their construction
- Framing Joint and their construction
- Lengthening Joints
- Angle Joints

METHODOLOGY

This course will be taught through practical problem solving activities. It should not be taught as an isolated theory.

- Lecture
- Discussion
- Demonstration
- Fieldstrips

- Brain storming

MODE OF ASSESSMENT

The assessment shall be in the form of end of semester examination and continuous assessment. The end of semester examination will attract 60% whilst the continuous assessment will constitute 40% of the total marks.

REFERANCES:

- Bates, D.R. (1982) Carpentry and joinery. Longman publications London
- David J. (1983) The craft of furniture making. B.T. Batford London.
- Fierer, J.L. (1999) Beginning Woodwork. Macmillan USA
- Jackson A. and D Day. (1991) Woodworkers Manual. Harper Collins. London
- Sackey, J.K.N. et al (1991) Woodwork for Senior Secondary Schools MOE Ghana
- Wagner, W.H. & C.E Kick lighter. (1991) Modern Wood working.
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